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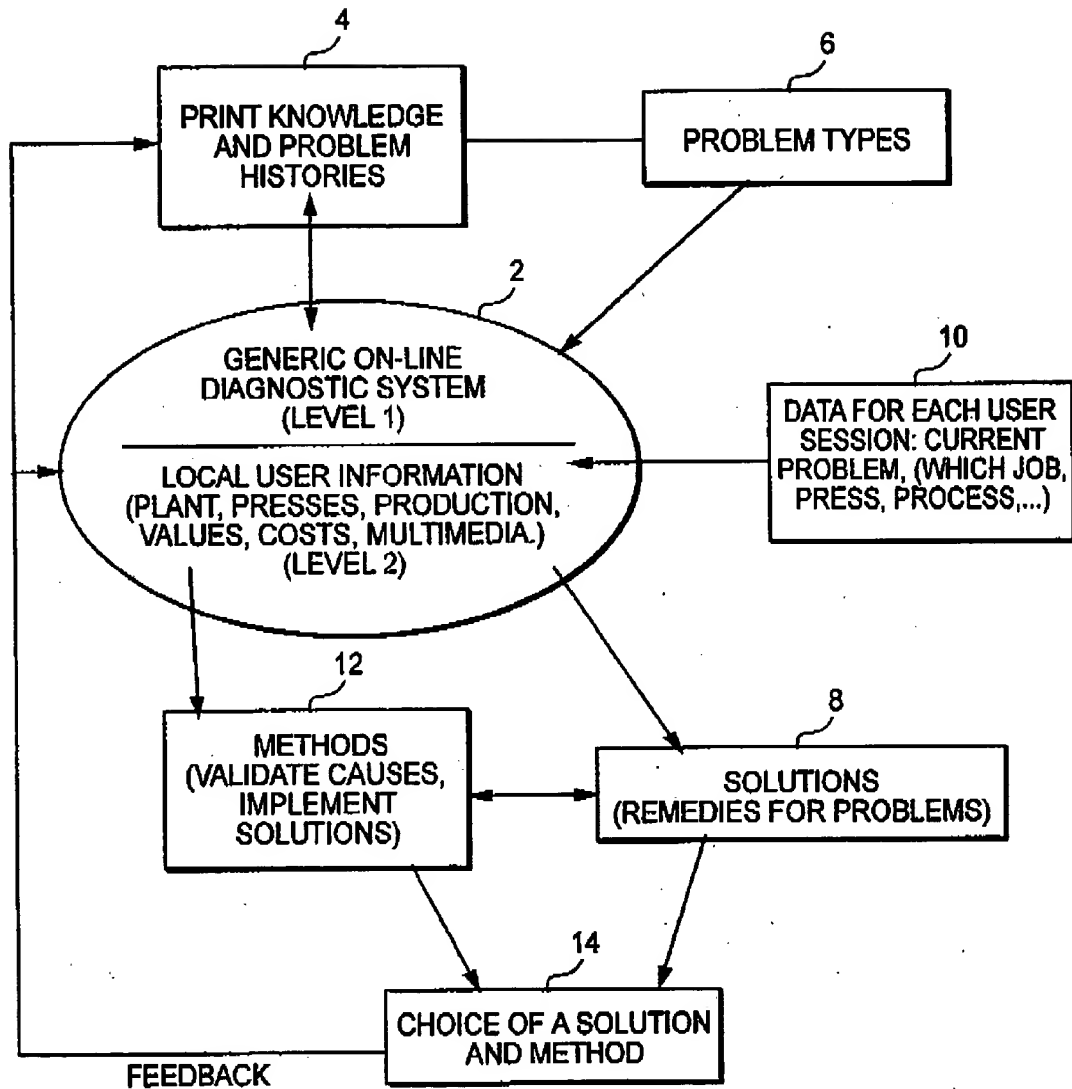


FIG. 1

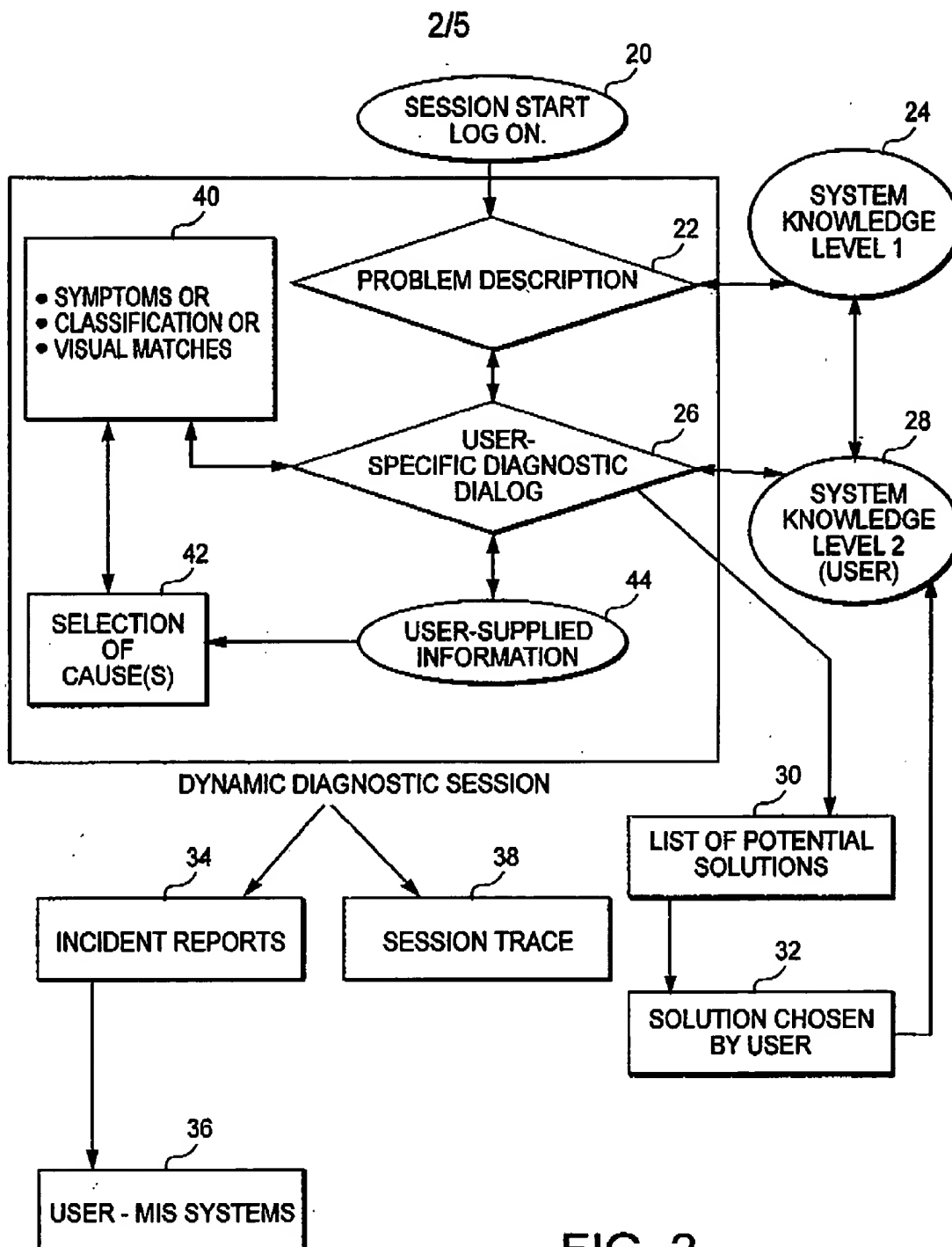


FIG. 2

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PRINT FAULT DIAGNOSTIC HELP

PRINT FAULT

- DEENTS IN BOXES
- DIRTY PRINT
- DISTORTION OF PLATE
- DISTORTION OF SUBSTRATE
- DONUTS
- DOT GAIN
- DOUBLE INKING
- DRAGGING
- DROPPED DOTS
- EXPLOSION
- FEATHERING ON TRAILING EDGES
- FILL-IN
- FILM SHRINK
- FLOODING
- GHOSTING
- GREASE STAINS
- HALO
- INK ROTATION
- INK STARVATION
- LFL PROBLEM

FAULT CAUSE

PRINTING PLATE: HALO ANILOX GEAR: TOO HIGH

ANILOX ROLL: ANILOX PLATE CYL. DISTANCE GEAR: TOO LOW

ANILOX ROLL: ANILOX INKING SETTING AT GEAR SIDE: TOO LOW

ANILOX ROLL: ANILOX INKING SETTING AT OPERATOR SIDE: TOO LOW

PLATE MAKING AND MOUNTING ROOM: MOUNTED CYLINDER RADIUS: TOO HIGH

ANILOX ROLL: ANILOX PLATE CYL. DISTANCE CENTER: TOO LOW

ANILOX ROLL: ANILOX PLATE CYL. DISTANCE OPERATOR: TOO LOW

INK ON PRESS: VISCOSITY: TOO HIGH

INK ON PRESS: DATE OF VALIDATION EXPIRED: YES

INK ON PRESS: FOAMING: TOO HIGH

INK ON PRESS: INK FLOW: TOO LOW

INK ON PRESS: PH: TOO LOW

INK ON PRESS: VISCOSITY: TOO HIGH

INK ON PRESS: TEMPERATURE: TOO LOW

MOUNTING TAPE: CUSHION COMPRESSIBILITY: TOO HIGH

MOUNTING TAPE: CUSHION COMPRESSIBILITY: TOO HIGH

PRINTING PLATE: DUROMETER: TOO LOW

PRINTING PLATE: DUROMETER: TOO LOW

PRINTING PLATE: HALO PRINT GEAR: TOO HIGH

INK ON PRESS: VISCOSITY: TOO HIGH

HIERARCHY LEVELS 3

PRINT FAULT HALO

FAULT CAUSE PRINTING PLATE: HALO ANILOX GEAR: TOO HIGH

PRESS CI

COMMENT

DEFINITION

MENU

FIG. 3

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PRINT FAULT DIAGNOSTIC HELP

☐ ONLY DIRECT
 ☒ ALL

HIERARCHY LEVELS

7

PRINT FAULT

DROPPED DOTS

EXPLOSION

FEATHERING ON TRAILING EDGES

FILL-IN

FILM SHRINK

FLOODING

GHOSTING

GREASE STAINS

HALO

INK ROTATION

INK STARVATION

LFL PROBLEM

LINES

MARK

MARKS ON WEB EDGE

MIS REGISTER

MISREGISTER (PRINT-STRUCTURE)

MOIRE

MOTTLE

NO NAME

— SUBSTRATE BEFORE PRINTING: THICKNESS: TOO HIGH

— SUBSTRATE IN THE REED SECTION: THICKNESS: TOO HIGH

— SUBSTRATE IN UNWIND SECTION: CALIPER: TOO HIGH

— DRYING SYSTEM CONTROL PANEL: CYL DRUM TEMPERATURE: TOO HIGH

— PLATE MAKING AND MOUNTING ROOM: PLATE RELIEF: TOO LOW

— PLATE MAKING AND MOUNTING ROOM: BACK EXPOSURE: TOO HIGH

— PREPRESS ROOM: FILM NEGATIVE DENSITY: TOO LOW

— PRINTING PLATE: DUROMETER: TOO HIGH

— PRINTING PLATE: DUROMETER: TOO HIGH

— PRINTING PLATE: HALO TRAIL GEAR: TOO HIGH

— PRINTING PLATE: HALO ANILOX GEAR: TOO HIGH

— ANILOX ROLL: ANILOX / PLATE CYL DISTANCE GEAR: TOO LOW

— ANILOX ROLL: ANILOX INKING SETTING AT GEAR SIDE: TOO LOW

— PRINT UNIT: PRINTING IMPRESSION IN: CONDITIONAL

— PRESS: ALL PRINTING IMPRESSION IN: CONDITIONAL

— PRESS: STOP RUN / EMERGENCY STOP VALID: CONDITIONAL

— PRINT UNIT: CONFIGURED FOR THE CURRENT PRINT JOB: CONDITIONAL

— ANILOX ROLL: ANILOX INKING SETTING AT OPERATOR SIDE: TOO LOW

— PRINT UNIT: PRINTING IMPRESSION IN: CONDITIONAL

FIG. 4

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PRINT FAULT DIAGNOSTIC HELP

COMPONENT

SUCTION DEVICE

SENSOR

PRINT UNIT

SUBSTRATE BEFORE PRINTING

INK ON PRESS

INK IN COLOR MANAG

INK-FEED SYSTEM

pH & VISCOSITY SEN

INK FLOW IN

INK FEED PUMP

RETURN PUMP

INK FILTER AND MAGN

INK HOSE

INK TRAY

FOUNTAIN ROLL

VARIABLE

DATE OF VALIDATION EXPIRED

DENSITY % VAR. COATED UNCO

DRYING

FOAMING

INK FLOW

INK FORMULATION

LEVEL OF INK

pH

pH

REAL RGB VALUE OF THE COLO

SECOND INK IS DISSOLVING THE

TEMPERATURE

VISCOSITY

VISCOSITY

VALUE

TOO HIGH

TOO LOW

PRINT FAULT

EXPLOSION

LFL PROBLEM

START SEQUENCE

SPLASHING

FLOODING

STRATIONS

HALO

INK STARVATION

BOUNCE

PICKING

TRACKING

WRONG DENSITY

62

PRINT FAULT

HALO

FAULT CAUSE

PRINTING PLATE: HALO ANILOX GEAR: TOO HIGH

60

COMMENT

DEFINITION

MENU

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PRINT FAULT

FIG. 5